10/03/22 • BIG PHARMA › NEWS

Researchers Use GMO Mosquitoes to Vaccinate Humans in NIH-Funded Malaria Study

The National Institutes of Health funded a malaria vaccine trial study that used genetically modified mosquitoes to vaccinate humans. The Bill & Melinda Gates Foundation has close ties to the research.

By **Michael Nevradakis, Ph.D.**

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The National Institutes of Health (NIH) funded a malaria vaccine trial study that used genetically modified (GM) mosquitoes to vaccinate humans.

A team of researchers at the University of Washington conducted the study, which was published in the Science Translational Medicine journal.

The study involved 26 participants who received three to five "jabs" — or bites from a small box containing 200 GM mosquitoes — over a 30-day period.

Sanaria, a company funded in part by the Bill & Melinda Gates Foundation (BMGF), is closely connected to the research, and the researchers involved in the trial use a gene-editing technology heavily promoted by Bill Gates.

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Genetically modified mosquitoes used as 'flying syringes'

The trial used malaria-causing Plasmodium mosquitoes that were genetically modified to avoid causing sickness in humans to infect participants with a "minor" version of malaria — insufficient to cause severe illness, but enough to make the humans create antibodies.

Dr. Sean Murphy, lead author of the study, told NPR, "We use the mosquitoes like they're 1,000 small flying syringes."

Despite the publicity generated by this study, however, results appear to have been mixed.

Of the 14 trial participants exposed to malaria, seven contracted the disease. For the remaining seven, the protection conferred by the vaccine did not last more than a few months and eventually dissipated.

According to the study:

> "Half of the individuals in each vaccine group did not develop detectable P. falciparum infection, and a subset of these individuals was subjected to a second [Controlled Human Malaria Infection] 6 months later and remained partially protected."

According to the Centers for Disease Control and Prevention (CDC), "infections caused by P. falciparum are the most likely to progress to severe, potentially fatal forms" of malaria.

Adverse reactions in trial participants reportedly were "what one would expect after getting bit by hundreds of mosquitoes and nothing more."

For example, trial participant Carolina Reid told NPR her entire forearm "swelled and blistered."

Despite the study's mixed results, the researchers claimed the "results support further development of genetically attenuated sporozoites as potential malaria vaccines."

The researchers suggested several reasons for using live mosquitoes rather than a vaccine that could be delivered via a syringe, including that the use of live insects made sense, as the P. falciparum parasite quickly matures inside the mosquito.

In addition, the process of developing a version of the parasite that could be delivered via a syringe was described as "costly and time consuming."

Nevertheless, according to Murphy the study will not be used for the mass vaccination of humans. However, the researchers involved in the trial said they believe the approach they used can eventually result in the development of a "substantially more effective" malaria vaccine.

At present, only one malaria vaccine is in use. The RTS,S vaccine produced by GlaxoSmithKline was approved by the World Health Organization in October 2021, but reportedly has an efficacy rate of only 30-40%.

Dr. Kirsten Lyke, a vaccine researcher at the University of Maryland, described the use of a genetically modified live parasite as a vaccine as "a total game changer," saying the team of researchers "went old school with this one."

"All things old become new again," Lyke told NPR.

Lyke, who was not involved in the GM mosquito malaria trial, led the Phase 1 trials for the Pfizer/BioNTech COVID-19 vaccine and also served as co-investigator for COVID-19 vaccine trials administered by Moderna and Novavax.

Stefan Kappe, a parasitologist at the University of Washington and the Seattle Children's Research Institute — who was one of the authors of the study — said that the approach described by Lyke is already being worked on by the team, adding that the team believes "we can obviously do better."

However, according to Kappe, "increasing production capability to scale up manufacturing will require investment."

The research team said that the vaccine developed from this process will eventually be administered via syringes, in order to administer a "more accurate dosage."

According to Lyke, the use of a slightly more mature version of the GM parasite used during this trial could better equip the human body to prepare an immune response.

Murphy added that his team's approach utilizes a whole weakened parasite rather than one of the proteins the parasite produces, as with the RTS,S vaccine.

Gates-linked firm provided GM parasites used in trial

According to NPR, the University of Washington partnered with Sanaria, a "small company" that produces the modified parasites.

According to its website, Sanaria is "a biotechnology company developing vaccines protective against malaria," and its "vaccines have proven highly protective against Plasmodium falciparum infection in humans."

The company also said it developed "an innovative approach to malaria using Plasmodium falciparum (Pf) sporozoites (SPZ) as the platform technology for immunizing people against malaria infection."

Two of Sanaria's listed donors — PATH MVI and the Institute for OneWorld Health — are beneficiaries of funding from the BMGF.

PATH, which founded the Malaria Vaccine Initiative (MVI), describes itself as "an international nonprofit organization that drives transformative innovation to save lives and improve health," working "with partners in private industry, government, and academia to develop malaria vaccines."

PATH MVI said it advises and partners with "public institutions, businesses, grassroots groups, and investors to tackle the world's toughest global health problems — which includes malaria, a notoriously complex parasite."

As far back as 2008, when it received a $168 million grant, PATH MVI has received funding from the BMGF.

Aside from the BMGF, other PATH MVI donors include Chevron, the ExxonMobil Foundation, the USAID Malaria Vaccine Development Program and Open Philanthropy.

As Open Philanthropy — one of whose main funders is Dustin Moscovitz, co-founder of Facebook along with Mark Zuckerberg — funded a monkeypox tabletop simulation that "predicted" a global monkeypox pandemic in May 2022, the same month an outbreak occurred.

Open Philanthropy has, over the past decade, provided hundreds of millions of dollars in donations and grants for "global health," "biosecurity and pandemic preparedness" and "global catastrophic risks."

In turn, the Institute for OneWorld Health, which claims it "partner[s] with communities in developing countries to bring permanent, sustainable healthcare to the chronically underserved," has received multiple grants from the BMGF, including a 2004 grant for the development of a malaria vaccine.

Other Sanaria donors include the NIH and the National Institute of Allergy and Infectious Diseases, headed by Dr. Anthony Fauci, and the Centers for Disease Control and Prevention, the Center for Infectious Disease Research, the National Institute of Standards, the Military Infections Disease Research Program and the European Vaccine Initiative.

Gates' enthusiasm for gene-editing technology 'off the charts'

One of the novel aspects of the University of Washington trial was that the parasites used were "disarmed" using CRISPR — or Clustered Regularly Interspaced Short Palindromic Repeats — gene editing tools.

CRISPR is described as "a component of bacterial immune systems that can cut DNA" that "has been repurposed as a gene editing tool," acting "as a precise pair of molecular scissors that can cut a target DNA sequence, directed by a customizable guide" — a piece of RNA with a "guide" sequence that attaches to the target DNA sequence.

According to geekwire.com:

> "When it comes to fighting malaria and other mosquito-borne diseases … CRISPR-Cas9 and other gene-editing tools are being used to change the insects' genome to ensure that they can't pass along the parasites that cause those diseases."

Gates — an enthusiastic proponent of CRISPR — previously suggested CRISPR could be used to eliminate mosquitoes that transmit malaria.

According to a 2018 Business Insider report:

> "Gates has long been supportive of using genetic editing tools. He was one of the early investors in Editas Medicine, one of the first companies to start trying to use CRISPR to eliminate human diseases.
>
> "Gates Foundation researchers have worked for nearly a decade on ways to use genetic editing to improve crops and to wipe out malaria-carrying mosquitoes."

In a 2018 Foreign Affairs article written by Gates, he specifically addressed CRISPR's potential malaria-related applications:

> "Scientists are also exploring other ways to use CRISPR to inhibit mosquitoes' ability to transmit malaria — for example, by introducing genes that could eliminate the parasites as they pass through a mosquito's gut on their way to its salivary glands, the main path through which infections are transmitted to humans."

In a 2021 blog post addressing recent CRISPR-related developments, Gates said his "excitement about CRISPR has grown from super high to off the charts."

And in a July tweet commemorating the 10th "birthday" of CRISPR, Gates described it as "one of the most important inventions in medicine, biology, and agriculture."

Gates also helped fund the currently approved RTS,S malaria vaccine — as did Gavi, The Vaccine Alliance, with which the BMGF is a partner.

Some scientists, however, are less enthusiastic about CRISPR's gene-editing applications, warning they may result in unintended, harmful consequences.

For instance, in testimony submitted to the British Parliament in 2020, scientists Claire Robinson of GMWatch and Michael Antoniou of King's College London warned:

> "GM (including gene editing) of crops, animals and foods leads to several different types of unintended genetic mutations, which unpredictably alter the function of multiple gene systems of the organism.
>
> "Altered patterns of gene function will unpredictably change the biochemistry of the organism."

And even Gates, in his 2018 Foreign Affairs article, could not ignore the myriad of ethical controversies associated with CRISPR.

Nevertheless, Gates and the BMGF have been proponents of GM mosquitoes even beyond CRISPR.

For instance, the BMGF provided funding to Oxitec, a firm that has conducted pilot projects in Florida and Brazil using GM mosquitoes, purportedly with the aim of reducing the spread of mosquito-borne viruses.

In Brazil, the GM mosquitoes that were released were said to lack the ability to produce offspring — but were nevertheless found to have reproduced.

The BMGF also reportedly was "heavily involved" in trials using GM mosquitoes in India — and even went as far as to propose, in 2017, alongside the Johns Hopkins Center for Communication Programs, the development of a mosquito emoji, to be "used for public health campaigns."

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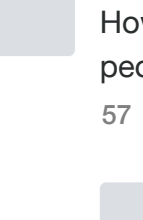

Michael Nevradakis, Ph.D.

Michael Nevradakis, Ph.D., is an independent journalist and researcher based in Athens, Greece.

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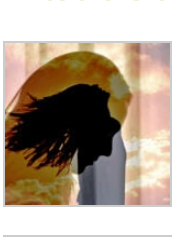

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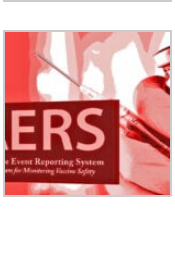

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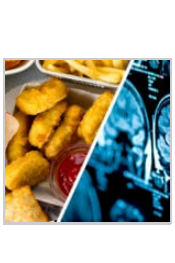

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sunspot • 2 days ago
How can you decline, or give informed consent to "vaccination" by mosquito bites? These people are insane, playing god in ways no one can predict. I want no part of it.
57 | • Reply • Share ›

Shavais → sunspot • 2 days ago • edited
Is there a way we can work together to stop it?
10 | • Reply • Share ›

LC** → Shavais • a day ago
Yes. Share information on a local level. Do not fear. Turn off the tell-lie-vision and establish your own personal relationship with our Creator, God Almighty.
2 | • Reply • Share ›

Jon Kundert → Shavais • a day ago
Not "legally"
1 | • Reply • Share ›

william flynn → Jon Kundert • 10 hours ago
You're SO right and it's reached that point on a number of fronys............not just this one !
| • Reply • Share ›

LC** → sunspot • a day ago
These so called doctors and scientists are not only sick but are not human (literally). They will murder as many people as they can to establish their One World Government aka New World Order - Agenda21, Agenda 2030.
3 | • Reply • Share ›

T.H. Ritchie → sunspot • a day ago
Maybe we should spray with backyard foggers, use mosquito traps, and use mosquito dunks in our ponds. Hopefully that will stop them.
1 | • Reply • Share ›

Randle421 → sunspot • a day ago
Ron Desantis is Governor of Florida. I like Ron Desantis. Why is he allowing this in Florida?
1 | • Reply • Share ›

Jasper → Randle421 • a day ago
controlled opposition.
1 | • Reply • Share ›

Lisa4USA → Randle421 • a day ago
Good question. Another good question is: why did DJT launch Warp Speed? (One explanation I've heard is to get ahead of the 2030 Great Reset agenda to foil it.) For DeSantis, perhaps he couldn't stop it. These genocidal maniacs lie and obfuscate every time they open their mouths. Then there's: blackmail, threats to them and their families, pay-offs? We may never know...
1 | • Reply • Share ›

Ginger Li → sunspot • a day ago • edited
17 hours ago - unbelievable.
1 | • Reply • Share ›

Ricky Ricardo • 2 days ago
Lock billy boy in a small box with ten million of those abominations - and never let him out! I'm convinced that he's the most evil man on the planet! Just look at the **EVIL GRIN** that covers his face, whenever he talks about causing harm!
45 | • Reply • Share ›

Tharlene LakesMathis → Ricky Ricardo • 2 days ago
molochs
10 | • Reply • Share ›

Lina Lamm → Ricky Ricardo • 2 days ago
Arrest him!
7 | • Reply • Share ›

Leslie Taylor → Ricky Ricardo • a day ago • edited
There are claims that this is Bill Gates' all time favorite X-rated movie, watching it by himself over and over again at the Epstein Island theater dressed up in a Mosquito Man costume while ...

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5 | • Reply • Share ›

CaliCajun → Ricky Ricardo • a day ago
They are of Satan and i feel we will unveil this in a major way real soon… God's Hand has to make a Cameo!
4 | • Reply • Share ›

Ricky Ricardo → CaliCajun • a day ago
We can't know the mind of God; but billy boy is most definitely a Luciferian. He could be the biggest mass murderer of all time!
2 | • Reply • Share ›

Lisa4USA → CaliCajun • a day ago
God's hand is used every day...on those who ask for help. These demons trying to play god have muted God's influence by denying it's, ('His'), existence and offering up 'health and longevity' in exchange for immortal souls--just as they did w/ Lucy Fur.
1 | • Reply • Share ›

ReallyRae • 2 days ago
Exactly how do flying syringes fulfill "informed consent"?! I've never had an insect discuss pros and cons or ask for my signature before I'm stung.

The very first ability these scientists need to demonstrate--out of a long list--is that they can "un-do" whatever they're doing. How dare they unleash anything, anywhere, until they prove it can be undone. Ethical issues are even more serious, but the basic thought process of: "Build it and unleash it, then see what happens," is criminally insane. Unethical, Illegal, and immoral too.

Creepy is as creepy does.
38 | • Reply • Share ›

This is insanity!! → ReallyRae • 2 days ago
There needs to be radical suing here!!!!! I never thought I'd say this, but I wish I was a lawyer now.
9 | • Reply • Share ›

Lina Lamm → ReallyRae • 2 days ago
I had tons of mosquito bites this year=more than any other summer!
5 | • Reply • Share ›

Isthisthingon → Lina Lamm • 2 days ago
I swear the perps are already GMOing them to be attracted to all the bug sprays!

Florida apparently, against the citizen's objections, released umpteen GMO'd mosquitos supposedly to stop the females from breeding!

There are scientists who have discovered the dinosaurs were already super sick and dying from mosquitos infecting them!

What could go wrong? Seriously, this can't be a thing anyone is onboard with!
2 | • Reply • Share ›

Lisa4USA → Lina Lamm • a day ago
...several years ago we, in SoCal, noticed silent, black mosquitos (Zika-carrying?) that supposedly were released in Fla, giving us horrible red spots on our ankles and legs that took weeks to fade. These were not the bites I got as a child in Ohio. Something wicked this way came...
However, to stop the itching, (which produced bruises!), I heated up water, then heated a spoon in the water to just under an uncomfortable temp and pressed it on the bites.This breaks down the protein that causes the itching. It worked, but the red splotches still looked horrible.
1 | • Reply • Share ›

Steve Billiter → ReallyRae • 2 days ago
Gates gets this from his dad who did the Planned Parenthood gig, and the US government who often experiments on us without our knowledge or consent. Biden and his cohorts in crime just killed over 7 million citizens and injured many more with the killer vax.
5 | • Reply • Share ›

Lisa4USA → ReallyRae • a day ago
YES! It is criminally insane to play god and deny informed consent.
1 | • Reply • Share ›

freedomandjusticeforall • 2 days ago • edited
"They "predicted" a global monkeypox pandemic in May 2022, the same month an outbreak occurred." The easiest way to 'predict' a pandemic is to CAUSE it. Perhaps they did that through the 'vaccines', or perhaps they disseminated it another way. Either way, they are responsible.
31 | • Reply • Share ›

Steve Billiter → freedomandjusticeforall • 2 days ago
Viruses do not exist, none have been isolated All skin problems, pox measles, etc. is the body detoxing often from vaccines. The toxins come through the skin, appear as aberrations and then disappear later.
4 | • Reply • Share ›

Carla H. Cochran → Steve Billiter • a day ago
Explain that to virologist.
1 | • Reply • Share ›

vilamoureux → Carla H. Cochran • a day ago
That is like trying to explain to a snake oil salesman that snake oil is bad. The best you can do is inform other people that virology is bunk until you hit that critical threshold where charlatans become lamp and tree ornaments.
Viroliegy.com has some wonderful articles on arguments that modern virology cannot answer.
1 | • Reply • Share ›

Brian Collecott → freedomandjusticeforall • 2 days ago
I read that there are 11 such 'predictions' on Bill's list.
2 | • Reply • Share ›

UltraMaga in Libtard Austin → freedomandjusticeforall • a day ago
There is no MonkeyPox pandemic, just a bunch of gay guys going to orgies and having multiple butt sex partners every day. Stop the butt sex, problem solved.
1 | 1 • Reply • Share ›

Mary Madigan • 2 days ago
Bill & Melinda G ates Foundation is a combination of Hitler and Frankenstein in my opinion, I fear for the future. What if a child is outside and gets many GMO mosquito bites ?
26 | • Reply • Share ›

BChristine → Mary Madigan • 2 days ago
They're too evil to care.
8 | • Reply • Share ›

celtic cross • 2 days ago
Genetically modified critters let loose to infect humans...What could possibly go wrong...or right, considering Billy boy's penchant to decrease the population...by hook or by crook...or by Frankenstein mosquito experiment gone awry.
26 | • Reply • Share ›

naturalimmunityalwayswins • 2 days ago
Bankrupt Big Pharma.
23 | • Reply • Share ›

MultiChubby1 → naturalimmunityalwayswins • 2 days ago
We can't. America is too sick, too stupid and too fat. 6,400,000,000+ prescriptions filled in the US annually - as in every year. You wonder how the earth can swallow the poison from all the bodily excretions. It's too late. We're customers for life.
4 | 2 • Reply • Share ›

Isthisthingon → MultiChubby1 • 2 days ago
The toxins from said prescriptions just go down the drain and right into our WATER supply!

This is how we know the dice are loaded and the deal is set, because if there would have been an environmental impact statement done with the water cycle in mind, none of the poisoning our so-called protective agencies allow, would be happening! You would have to pee in a receptacle for bio-hazard waste! This is also why you know the masking situation is BS, because the mask itself would have to go into a bio-hazard receptacle for disposal if it genuinely were infected with a deadly "virus"!

We want to figure out "why?" we have such an explosion of gender identity crisis in our youth, look no further than big oil and big pharma dumping tons of synthetic estrogen mimickers into our food and water supplies, which completely interfere with proper development, along with causing cancers!

Then on top of all the toxins in our waste, the perps then take the waste and spread it on our food crops as fertilizer! So freaking gross! Now they want to start collecting urine for the same purposes! Neither of these practices would

see more
7 | • Reply • Share ›

Frank Zimmerman • 2 days ago
"In Brazil, the GM mosquitoes that were released were said to lack the ability to produce offspring — but were nevertheless found to have reproduced." Oh, so they are already "out there"?

I wonder which group will be the first to end the human race: the military-industrial complex, big pharma, the chemical companies, or GM researchers?
17 | • Reply • Share ›

MultiChubby1 → Frank Zimmerman • 2 days ago
It will be a coordinated event.
6 | • Reply • Share ›

bbb • 2 days ago
There is NO malaria vaccine.
This is more mRNA/DNA toying around with people's natural immune systems.
25 | 1 • Reply • Share ›

Steve Billiter → bbb • 2 days ago
There is no vaccine that works as advertised--nothing but a pack of lies. Viruses have not been isolated by Koch's Postulates and therefore cannot exist, but many fake tests do. Malaria is real and caused by a parasite from a mosquito, not a "virus."
7 | 1 • Reply • Share ›

MDskeptic • 2 days ago
Mosquitos certainly "make sense" if you're goal is to indiscriminately infect large populations with your payload. Biological warfare makes sense in a similar way. Gates first promised to CRISPR the insects to render them impotent as vectors. Now they make sense because they're "less costly and time consuming" to utilize as the ideal vector for study. It takes so much effort to line up the hesitant for a hit with a syringe. It's much more efficient to let the little flying pests do the job.
16 | • Reply • Share ›

Steve Billiter → MDskeptic • 2 days ago
Right but it probably will flop as the article stated. The criminals must find a way to keep the deadly vax going because as of now, hardly anyone is accepting the killer shot.
5 | • Reply • Share ›

DLT88 • 2 days ago
We need to find all these evil people and cuff them at the wrists and ankles and put them in an arena filled with hungry tigers. The evil inside them is the darkest --- I wouldn't be surprised if they were filled with pus oozing their their veins.
16 | • Reply • Share ›

MultiChubby1 → DLT88 • 2 days ago
you first.
| 5 • Reply • Share ›

Polly Green · 2 days ago

Yeah, good thing the woman whose arm got all swollen didn't get bit ALL OVER by GM mosquitoes. What could possibly go wrong???
Remember that Gates was instrumental in getting HCQ tossed as a treatment for Covid.
What else is HCQ used for?
Malaria of course.

14 ⌃ | ⌄ · Reply · Share ›

Sandals · 2 days ago · edited

We.are.f____d. These psychopaths will take away everyone's free will.

14 ⌃ | ⌄ · Reply · Share ›

Tharlene LakesMathis ➦ Sandals · 2 days ago

yes, & another lockdown & martial law is coming,less russia destroys us 1st

2 ⌃ | ⌄ 1 · Reply · Share ›

Tom Bernard · 2 days ago

It's difficult to find words to describe how sadistically insane Bill Gates has become... and when will his supporters realize the population Billy is reducing includes them?

13 ⌃ | ⌄ · Reply · Share ›

BoredHousewife ➦ Tom Bernard · a day ago

I interpreted his recent divorce as a sign that even his family is distancing themselves from him. He's a dangerous maniac with too much money!

1 ⌃ | ⌄ · Reply · Share ›

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